

Application No.: 10/025,765
Amendment dated November 18, 2003
Reply to Office Action dated August 26, 2003

Docket No.: 8733.514.00-US

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A liquid crystal display (LCD) device comprising:

first and second substrates assembled together with some space therebetween, at least one substrate having an etched outer surface; and

passivation layers outside the first and second substrates,

wherein the passivation layers are formed of a material having a refractive index within about 10% difference of the refractive index of at least one of the first and second substrates, and

wherein the passivation layers include [one of] BenzoCycloButene (BCB) [and photo-acrylate].
2. (Original) The LCD device as claimed in claim 1, wherein at least one of the first and second substrates includes glass.
3. (Currently Amended) The LCD device as claimed in claim 1, wherein the passivation [film is] layers are an organic film.
4. (Cancelled)
5. (Currently Amended) An LCD device comprising:

first and second etched substrates;

a liquid crystal layer between the first and second etched substrates; and

passivation layers outside the first and second etched substrates,

wherein the passivation layers are formed of a material having a refractive index within about 10% difference of the refractive index of at least one of the first and second etched substrates, and

wherein the passivation layers include [one of] BenzoCycloButene (BCB) [photo-acrylate].

Application No.: 10/025,765
Amendment dated November 18, 2003
Reply to Office Action dated August 26, 2003

Docket No.: 8733.514.00-US

6. (Original) The LCD device as claimed in claim 5, wherein at least one of the first and second etched substrates includes glass.
7. (Currently Amended) The LCD device as claimed in claim 5, wherein the passivation [film is] layers are an organic film.
8. (Cancelled)
9. (Currently Amended) A method for manufacturing an LCD device, comprising:
preparing first and second substrates;
assembling the first and second substrates;
etching a surface of at least one of the first and second substrates to form a thin substrate;
and
forming passivation layers on an entire surface of the first and second substrates,
wherein the passivation layers are formed of a material having a refractive index difference within about 10% of the refractive index of at least one of the first and second substrates, and
wherein the passivation layers include [one of] BenzoCycloButene (BCB) [and photo-acrylate].
10. (Original) The method as claimed in claim 9, wherein at least one of the first and second substrates includes glass.
11. (Currently Amended) The method as claimed in claim 9, wherein the passivation [film is] layers are an organic film.
12. (Original) The method as claimed in claim 11, wherein the organic film is formed by a spin coating process.
13. (Cancelled)

Application No.: 10/025,765
Amendment dated November 18, 2003
Reply to Office Action dated August 26, 2003

Docket No.: 8733.514.00-US

14. (Original) The method as claimed in claim 9, further comprising injecting a liquid crystal between the first and second substrates, after forming the passivation layers on the surface of the first and second substrates.
15. (Original) The method as claimed in claim 9, further comprising injecting a liquid crystal between the first and second substrates, after assembling the first and second substrates with each other.
16. (Original) The method as claimed in claim 9, further comprising polishing the surface of the first and second substrates after etching a surface of at least one of the first and second substrates.
17. (Original) The method as claimed in claim 16, wherein polishing includes mechanically polishing the assembled substrates while spraying coolant on the assembled substrates.
18. (Original) The method as claimed in claim 17, wherein mechanically polishing includes polishing with sandpaper.
19. (Original) The method as claimed in claim 17, wherein mechanically polishing includes polishing with a polisher.
20. (Original) The method as claimed in claim 9, wherein the etching includes dipping the substrate into an etchant.
21. (Original) The method as claimed in claim 20, wherein the etchant is an HF solution.
22. (Previously Presented) The method as claimed in claim 20, wherein the etching includes etching the substrate by exothermic reaction between the substrate and the etchant.
23. (Original) The method as claimed in claim 9, wherein assembling the first and second substrates with each other includes a sealing pattern.
24. (Currently Amended) A liquid crystal display (LCD) device, comprising:
first and second substrates;
a liquid crystal layer between the first and second substrates; and

Application No.: 10/025,765
Amendment dated November 18, 2003
Reply to Office Action dated August 26, 2003

Docket No.: 8733.514.00-US

passivation layers on the surfaces of the first and second substrates,

wherein the passivation layers are formed of a material in which a refractive index difference of the first and second glass substrates is within about 10%, and

wherein the passivation layers include [one of] BenzoCycloButene (BCB) [and photo-acrylate].

25. (Original) The liquid crystal display as claimed in claim 24, wherein the substrates include glass.

26. (Currently Amended) The liquid crystal display as claimed in claim 25, wherein the passivation layers are an organic film [include organic material].

27. (Cancelled)

28. (Original) The liquid crystal display as claimed in claim 24, further comprising a gate electrode and source and drain electrodes on the first substrate.

29. (Original) The liquid crystal display as claimed in claim 25, further comprising a sealing pattern formed between the first and second substrates.